

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claims 1-15 (canceled)

Claim 16 (currently amended): A heat dissipating structure for a semiconductor package having a substrate, at least a chip mounted on the substrate and electrically connected to the substrate via a plurality of conductive elements, and one or more passive components mounted on the substrate, the heat dissipating structure comprising:

a flat portion, wherein at least a peripherally-situated recess is formed on a top surface of the flat portion; and

a plurality of support portions formed at edge corners of the flat portion therein for supporting the flat portion in position above the chip, wherein the support portions are mounted at a predetermined area on the substrate and free of interference with an arrangement of the chip, the passive components and the conductive elements, and the support portions are arranged to form a space between two adjacent support portions, the space being sufficiently dimensioned to accommodate the conductive elements and the passive components so as to allow the conductive elements to pass through the space to reach an area on the substrate outside coverage of the heat dissipating structure and such that the passive components are located within and/or outside the coverage of the heat dissipating structure.

Claim 17 (previously presented): The heat dissipating structure of claim 16, wherein the conductive elements are bonding wires, and a plurality of bond fingers are formed on the substrate for allowing the bonding wires to be bonded to the bond fingers.

Claim 18 (previously presented): The heat dissipating structure of claim 17, wherein the flat portion is elevated above the chip by the support portions and forms a predetermined height

difference with respect to the substrate, allowing the height difference to be larger than a height of wire loops of the bonding wires.

Claim 19 (previously presented): The heat dissipating structure of claim 18, wherein part of the bond fingers are situated on the substrate at an area outside the coverage of the heat dissipating structure, allowing the corresponding bonding wires to pass through the space embraced by adjacent support portions and the flat portion and to reach the outside-coverage bond fingers.

Claim 20 (previously presented): The heat dissipating structure of claim 16, wherein the support portions are situated at edge corners of the flat portion.

Claim 21 (previously presented): The heat dissipating structure of claim 16, wherein the chip and the conductive elements are encapsulated by an encapsulant formed on the substrate.

Claim 22 (previously presented): The heat dissipating structure of claim 21, wherein the flat portion has a top surface exposed to outside of the encapsulant, and a bottom surface opposed to the top surface, the bottom surface being formed with the support portions.

Claim 23 (previously presented): The heat dissipating structure of claim 22, wherein at least a protrusion is formed on the bottom surface of the flat portion and extends toward the chip.

Claim 24 (canceled)

Claim 25 (previously presented): The heat dissipating structure of claim 16, wherein each of the support portions is formed with at least a hole for allowing an encapsulating resin used for forming the encapsulant to pass through the hole.

Claim 26 (previously presented): The heat dissipating structure of claim 16, wherein each of the support portions is formed with a contact portion at a position in contact with the substrate.

Claim 27 (previously presented): The heat dissipating structure of claim 26, wherein the contact portion substantially extends laterally with respect to the substrate.

Claim 28 (previously presented): The heat dissipating structure of claim 26, wherein the contact portion is of a triangular, rectangular or semicircular shape.

Claim 29 (currently amended): A heat dissipating structure for a semiconductor package having a plurality of conductive elements and one or more passive components, comprising:

a flat portion having a top surface and a bottom surface opposed to the top surface, wherein at least a peripherally-situated recess is formed on the top surface of the flat portion; and
a plurality of support portions formed at edge corners of the bottom surface of the flat portion therein, wherein the support portions are arranged to form a space between two adjacent support portions, and the space is sufficiently dimensioned to accommodate the conductive elements and the passive components.

Claim 30 (previously presented): The heat dissipating structure of claim 29, wherein the conductive elements are bonding wires, such that the space is dimensioned to have a predetermined height larger than a height of wire loops of the bonding wires.

Claim 31 (previously presented): The heat dissipating structure of claim 29, wherein at least a protrusion is formed on the bottom surface of the flat portion.

Claim 32 (previously presented): The heat dissipating structure of claim 29, wherein the top surface of the flat portion is exposed to outside of the semiconductor package.

Claim 33 (canceled)

Claim 34 (previously presented): The heat dissipating structure of claim 29, wherein each of the support portions is formed with at least a hole for allowing an encapsulating resin used in the semiconductor package to pass through the hole.

Claim 35 (previously presented): The heat dissipating structure of claim 29, wherein each of the support portions has one end attached to the flat portion and the other end formed with a contact portion.

Claim 36 (previously presented): The heat dissipating structure of claim 35, wherein the contact portion substantially extends laterally with respect to the flat portion.

Claim 37 (previously presented): The heat dissipating structure of claim 35, wherein the contact portion is of a triangular, rectangular or semicircular shape.

Claim 38 (currently amended): A heat dissipating structure for a semiconductor package having a plurality of bonding wires and one or more passive components, comprising:

a flat portion having a top surface and a bottom surface opposed to the top surface, wherein at least a peripherally-situated recess is formed on the top surface of the flat portion; and
a plurality of support portions formed at edge corners of the bottom surface of the flat portion therein, wherein the support portions are arranged to form a space between two adjacent support portions, and the space is dimensioned to have a predetermined height larger than a height of wire loops of the bonding wires and a height of the passive components.

Claim 39 (previously presented): The heat dissipating structure of claim 38, wherein at least a protrusion is formed on the bottom surface of the flat portion.

Claim 40 (previously presented): The heat dissipating structure of claim 38, wherein the top surface of the flat portion is exposed to outside of the semiconductor package.

Claim 41 (canceled)

Claim 42 (previously presented): The heat dissipating structure of claim 38, wherein each of the support portions is formed with at least a hole for allowing an encapsulating resin used in the semiconductor package to pass through the hole.

Claim 43 (previously presented): The heat dissipating structure of claim 38, wherein each of the support portions has one end attached to the flat portion and the other end formed with a contact portion.

Claim 44 (previously presented): The heat dissipating structure of claim 43, wherein the contact portion substantially extends laterally with respect to the flat portion.

Claim 45 (previously presented): The heat dissipating structure of claim 43, wherein the contact portion is of a triangular, rectangular or semicircular shape.